

**U.S. Patent and Trademark Office**

**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet	1	of	13	Attorney Docket No.	93,354-SS
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**Complete if Known**

Application No.	10/010,167
Filing Date:	December 10, 2001
First Named Inventor	Roninson et al.
Group Art Unit	1636
Examiner Name	J. Ketter

<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
<i>R</i>	1	5,217,889		Roninson	May 9, 2000
	2	6,083,745		Gudkov et al.	July 4, 2000
	3	6,197,521	B1	Gudkov et al.	March 6, 2001
	4	6,060,244		Roninson	May 9, 2002

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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
<i>R</i>	5	WO	91/07492		Central Blood Laboratories Authority	May 30, 1991		

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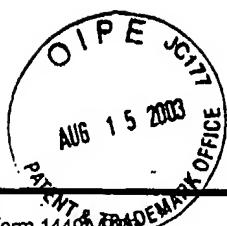
Examiner Initials*	Cite No. <sup>1</sup>	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
<i>R</i>	6	Albritton et al., "A Putative Murine Ecotropic Retrovirus Receptor Gene Encodes a Multiple Membrane-Spanning Protein and Confers Susceptibility to Virus Infection", 1989, Cell 57:659-666.			
	7	Altshul et al., "Basic Local Alignment Search Tool", 1990, J. Mol. Biol. 215:403-410.			
	8	Baim et al. "A Chimeric Mammalian Transactivator Based on the Lac Repressor that is regulated by Temperature and isopropyl b-D-thiogalactopyranoside", Proc Natl Acad Sci USA 88:5072-5076 (1991).			
Examiner Signature	<i>J. KETTER</i>			Date Considered	12/19/04

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<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English translation is attached.

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				Attorney Docket No. 93,354-SS

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	9	Baird et al., "Identification, Cloning and Characterization of the Escherich coli sohA Gene, a Suppressor of the htrA (degP) Null Phenotype", J. Bacteriol 172: 1587-1594 (1990).		T <sup>2</sup>
	10	Ballester et al., "The NF1 Locus Encodes a Protein Functionally Related to Mammalian GAP and Yeast IRA Proteins", 1990, Cell 62: 851-859.		
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	12	Barbacid, "ras GENES <sup>1</sup> ", 1987, Ann. Rev. Biochem. 56: 779-827.		
	13	Bender et al., "Evidence that the Packaging Signal of Moloney Murine Leukemia Virus Extends into the gag Region", 1987, J. Virol 61: 1639-1646.		
	14	Bodine et al., "Development of a high-titer retrovirus producer cell line capable of gene transfer into rhesus monkey hematopoietic stem cells", Proc Natl Acad Sci USA 87:3738-3742 (1990).		
	15	Buchberg et al., "Sequence homology shared by neurofibromatosis type-1 gene and IRA-a and IRA-2 negative regulators of the RAS cyclic AMP pathway", 1990, Nature 347:291-294.		
	16	Bunnell et al., "A Dominant Negative Mutation in Two Proteins Created by Ectopic Expression of an AU-Rich 3' Untranslated Region", Somat. Cell Mol. Genet. 16: 151-162 (1990).		
	17	Call et al., "Isolation and Characterization of a Zinc Finger Polypeptide Gene at the Human Chromosome 11 Wilms' Tumor Locus", 1990, Cell 60: 509-520.		
	18	Ch'ng et al., "Antisense RNA complementary to 3' Coding and noncoding sequences of creatine kinase is a potent inhibitor of translation in vivo", Proc. Natl. Acad. Sci. 86: 10006-10010 (1989).		
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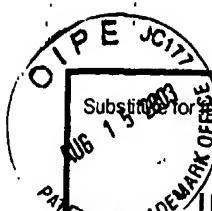
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	19	Chejanovsky et al., "Mutation J. Virol. 64: 1764-1770 (1990).			
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	22	Damm et al., "A Single Point Mutation in erbA restores the erythroid transforming potential of a mutant avian erythroblastosis virus (AEV) defective in both erbA and erbB oncogenes", 1987, EMBO J. 6: 375-382.			
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	25	Deiss et al., "A Genetic Tool Uses to Identify Thioredoxin as a Mediator of a Growth Inhibitory Signal", Science Vol. 252:117-120 (1991).			
	26	Duerre et al., "Effect of Methylation inhibitors on Gene Expression in HL-60 Cells", 1992, Biochem. Biolog. Cell. 70:703-711.			
	27	Eliyahu et al., "Participation of p53 Cellular Tumour Antigen in Transformation of Normal Embryonic Cells", 1984, Nature 312: 646-659.			
	28	Endow, "The Emerging Kinesin Family of Microtubule Motor Protein Trends Biochem Scie 16: 221-225 (1991).			
	29	Fearon et al., "Identification of a Chromosome 19q Gene That is Altered in Colorectal Cancers", 1990, Science 247: 49-56.			

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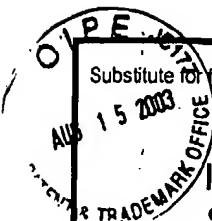
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	30	Fereira et al., "Suppression of Kinesin Expression in Cultured Hippocampal Neurons Using Antisense Oligonucleotides", J. Cell Biol 117:595-606 (1992).
	31	Fields et al., "Presence of a Potent Transcription Activating Sequence in the p53 Protein", 1990 Science, 249:1046-1049.
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Application No.	10/010,167
Filing Dat :	Dec mber 10, 2001
First Named Inventor	Roninson et al.
Group Art Unit	1636
Examiner Name	J. Ketter
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	38	Groger et al., "Directional antisense and sense cDNA cloning using Epstein-Barr virus episomal expression vectors", Gene <u>81</u> : 285-294 (1989).	
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	45	Kern et al., "Mutant p53 proteins bind DNA abnormally in vitro", 1991, Oncogene 6: 131-136.		
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	53	Kung et al., "Cytotoxic Effects of Cell Cycle Phase Specific Agents: Result of Cell Cycle Perturbation", 1990, Cancer Res. 50:7307-7317.		

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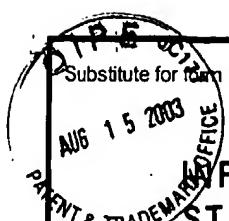
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	55	Lau and Nathans, "Expression of a set of growth-related immediate early genes in BALB/c 3T3 cells: Coordinate regulation with c-fos or c-myc", EMBO J. 4:3145-3151 (1985).			
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	70	Nakatani et al., "Isolation of an Amplified DNA Sequence in Stomach Cancer", <i>Jpn. J. Cancer Res.</i> 81: 707-710.
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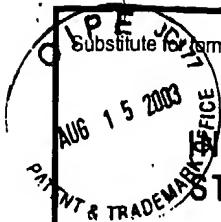
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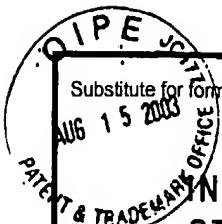
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	72	Navone et al. "Cloning and Expression of a Human Kinesin Heavy Chain Gene: Interaction of the COOH-terminal Domain with Cytoplasmic Microtubules in Transfected CV-1 Cells", J Cell Biol <u>117</u> : 1263-1275 (1992).
	73	Noonan et al. "Quantitative analysis of MDRI gene expression in Human tumors by polymerase chain reaction", Proc Natl Acad Sci USA <u>87</u> :7160-7164 (1990).
	74	O'Rourke et al., "A Potential Transcriptional Activation Element in the p53 protein", 1990, Oncogene <u>5</u> :1829-1832.
	75	Ohara et al., "One-sided polymerase chain reaction: The Amplification of cDNA", Proc. Natl. Acad. Sci. USA <u>86</u> :5673-5677 (1989).
	76	Parada et al., "Cooperation between gene encoding p53 tumour antigen and ras in cellular transformation", 1984, Nature <u>312</u> : 649-651.
	77	Patanjali et al., "Construction of a uniform-abundance (normalized) cDNA library", Proc. Natl. Acad. Sci. USA <u>88</u> :1943-1947(1991).
	78	Patterson et al., "Suicide Selection of Mammalian Cell Mutants", Methods Enzymol <u>151</u> :121(1982).
	79	Pauwels et al., "Rapid and automated terazolium-based colorimetric assay for the detection of anti-HIV Compounds", 1988, J. Virol. Meth. <u>20</u> : 309-321
	80	Perlaky et al., "Increased Gr owth of NIH/3T3 Cell by Transfection with Human p120 Complementary DNA and Inhibition by a p120 Antisense Construct", 1992, Cancer Res. <u>52</u> : 428-436.

Examiner Signature	J. KETTER	Date Considered	12/9/04
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Substitute for form 1449A/PTO AUG 15 2003				Complete if Known	
				Application No.	10/010,167
				Filing Date:	December 10, 2001
				First Named Inventor	Roninson et al.
				Group Art Unit	1636
				Examiner Name	J. Ketter
Sheet	10	of	13	Attorney Docket No.	93,354-SS

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	81	Powell et al., "Protection against tobacco mosaic virus in transgenic plants that express tobacco mosaic virus antisense RNA", Proc. Natl. Acad. Sci. USA 86: 6949-6952 (1989).		T <sup>2</sup>
	82	Ransone et al., "Trans-dominant negative mutants of Fos and Jun", Proc. Natl. Acad. Sci. USA 87:3806-3810 (1990).		
	83	Raycroft et al., "Transcriptional Activation by Wild-Type But Not Transforming Mutants of the p53 Anti-Oncogene", 1990, Science 249: 1049-1051.		
	84	Rimsky et al., "Trans-dominant inactivation of HTLV-I and HIV-1 gene expression by mutation of the HTLV-I Rex transactivator", Nature 341: 453-456 (1989).		
	85	Rio et al., "A Mammalian Host-Vector System That Regulates Expression and Amplification of Transfected Genes by Temperature Induction", Science 227:23-28 (1985).		
	86	Sap et al., "The c-erb-A protein is a high-affinity receptor for thyroid hormone", 1986, Nature 324: 635-640.		

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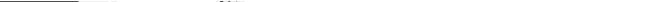
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				Application No.	10/010,167
				Filing Date:	December 10, 2001
				First Named Inventor	Roninson et al.
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				Examiner Name	J. Ketter
Sheet	11	of	13	Attorney Docket No.	93,354-SS

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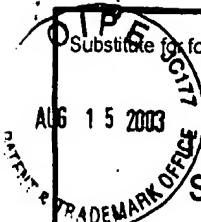
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	87	Sap et al., "Repression of Transcription mediated at a thyroid hormone response element by the v-erb-A oncogene product", 1989, Nature, <u>340</u> :242-244.	
	88	Sarver et al., "Ribozymes as Potential Anti-HIV -1 Therapeutic Agents", Science <u>247</u> :1222-1225 (1990).	
	89	Schneider & Banner, "Building Blocks for Oligonucleotide Analogs with Dimethylene-Sulfide, - Sulfoxide, and -Sulfone Groups Replacing Phosphodiester Linkages", Tetrahedron Letters <u>31</u> :335 (1990).	
	90	Schwab et al., "Amplified DNA in cells of genetic melanoma of Xiphophorus", 1989, 1989, Oncogene <u>4</u> :139-144.	
	91	Sczakiel G. et al., "Specific inhibition of human Immunodeficiency virus type 1 replication by RNA Transcribed in sense and antisense orientation form the 5'leader/gag region", Bioch. Biophys. Res. Comm. <u>169</u> (2):643-651 (1990).	
	92	Shen et al., "Human Multidrug-Resistant Cell Lines: Increased mdr1 Expression Can Precede Gene Amplification", Science <u>232</u> : 643-645 (1986).	
	93	Shih et al., "Passage of phenotypes of chemically transformed cells via transfection of DNA and chromatin", 1979, Proc. Natl. Acad Sci. USA <u>76</u> :5714-5718.	
	94	Solomon et al., "Chromosome Aberrations and Cancer", 1991, Science, <u>254</u> : 1153-1160.	

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	12	of	13	Attorney Docket No.	93,354-SS
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## Complete if Known

Application No.	10/010,167
Filing Date:	De c mber 10, 2001
First Named Inventor	Roninson et al.
Group Art Unit	1636
Examiner Name	J. Ketter

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✓	95	Trent et al., "Identification of a Recurring Translocation Site Involving Chromosome 6 in Human Malignant Melanoma", 1989, Cancer Res. <u>49</u> : 420-423.	
	96	Trono et al., "HIV-1 Gag Mutants Can Dominantly Interfere with the Replication of the Wild-Type Virus", Cell <u>59</u> :113-120 (1989).	
	97	Tsai-Pflugfleder et al. "Cloning and sequencing of cDNA encoding human DNA encoding human DNA topoisomerase II and localization of the gene to chromosome region 17q21-22", Proc. Natl. Acad. Sci USA <u>85</u> :7177-7181 (1988).	
	98	Uhlmann and Peyman "Antisense Oligonucleotides: A New Therapeutic Principle", Chemical Reviews <u>90</u> : 543-584 (1990).	
	99	Vale, "Intracellular Transport Using Microtubule-Based Motors", 1987, Ann. Rev. Cell Biol. <u>3</u> :347-378.	
	100	van der Krol et al., "Modulation of Eukaryotic Gene Expression by Complementary RNA and DNA Sequences", Biotechniques <u>6</u> :958-976 (1988).	
	101	Viskochil et al., "Deletions and a Translocation Interrupt a Cloned Gene at the Neurofibromatosis Type 1 Locus", 1990, Cell <u>62</u> : 187-192.	
	102	Vogelstein et al., "Genetic Alterations During Colorectal-Tumor Development", 1988, N. Engl. J. Med. <u>319</u> :525-532.	
✓	103	Weinberg "Tumor Suppressor Genes", 1991, Science <u>254</u> :1138-1146.	

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Sheet	13	of	13	Application No.	10/010,167
				Filing Date:	December 10, 2001
				First Named Inventor	Roninson et al.
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